

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
(Includes Reference to Provisional and PCT International Applications)

Attorney's Docket No.

032796-014

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HIGH BONE MASS GENE OF 11q13.3

the specification of which (check only one item below):

is attached hereto.

was filed as United States application

Number \_\_\_\_\_

on \_\_\_\_\_

and was amended

on \_\_\_\_\_ (if applicable).

was filed as PCT international application

Number \_\_\_\_\_

on \_\_\_\_\_

and was amended

on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(e) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119:**

| COUNTRY<br>(if PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED<br>UNDER 35 U.S.C. §119 |
|-------------------------------------|--------------------|--------------------------------------|--|
|                                     |                    |                                      | <u>  </u> Yes <u>  </u> No               |
|                                     |                    |                                      | <u>  </u> Yes <u>  </u> No               |
|                                     |                    |                                      | <u>  </u> Yes <u>  </u> No               |
|                                     |                    |                                      | <u>  </u> Yes <u>  </u> No               |
|                                     |                    |                                      | <u>  </u> Yes <u>  </u> No               |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

60/017,449  
(Application Number)

January 13, 1998

(Filing Date)

60/105,511  
(Application Number)

October 23, 1998

(Filing Date)

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (CONT'D)**  
(Includes Reference to Provisional and PCT International Applications)

Attorney's Docket No.  
032796-013

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to the patentability as defined in Title 37, Code of Federal Regulations §1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. §120:**

| <b>U.S. APPLICATIONS</b>                     |                         | <b>STATUS (check one)</b>                         |                |                  |
|--|-------------------------|---|----------------|------------------|
| <b>U.S. APPLICATION NUMBER</b>               | <b>U.S. FILING DATE</b> | <b>PATENTED</b>                                   | <b>PENDING</b> | <b>ABANDONED</b> |
| 09/229,319                                   | January 13, 1999        |   | X              |                  |
|  |                         |   |                |                  |
|  |                         |   |                |                  |
|  |                         |   |                |                  |
| <b>PCT APPLICATIONS DESIGNATING THE U.S.</b> |                         |   |                |                  |
| <b>PCT APPLICATION NO.</b>                   | <b>PCT FILING DATE</b>  | <b>U.S. APPLICATION NUMBERS ASSIGNED (if any)</b> |                |                  |
|  |                         |   |                |                  |
|  |                         |   |                |                  |
|  |                         |   |                |                  |

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

|                           |        |                      |        |                        |        |
|---------------------------|--------|----------------------|--------|------------------------|--------|
| William L. Mathis         | 17,337 | R. Danny Huntington  | 27,903 | Gerald F. Swiss        | 30,113 |
| Robert S. Swecker         | 19,885 | Eric H. Weisblatt    | 30,505 | Michael J. Ure         | 33,089 |
| Platon N. Mandros         | 22,124 | James W. Peterson    | 26,057 | Charles F. Wieland III | 33,096 |
| Benton S. Duffett, Jr.    | 22,030 | Teresa Stanek Rea    | 30,427 | Bruce T. Wieder        | 33,815 |
| Norman H. Stepno          | 22,716 | Robert E. Krebs      | 25,885 | Todd R. Walters        | 34,040 |
| Ronald L. Grudziecki      | 24,970 | William C. Rowland   | 30,888 | Ronni S. Jillions      | 31,979 |
| Frederick G. Michaud, Jr. | 26,003 | T. Gene Dillahunt    | 25,423 | Harold R. Brown III    | 36,341 |
| Alan E. Kopecki           | 25,813 | Patrick C. Keane     | 32,858 | Allen R. Baum          | 36,086 |
| Regis E. Slutter          | 26,999 | Bruce J. Boggs, Jr.  | 32,344 | Steven M. du Bois      | 35,023 |
| Samuel C. Miller, III     | 27,360 | William H. Benz      | 25,952 | Brian P. O'Shaughnessy | 32,747 |
| Robert G. Mukai           | 28,531 | Peter K. Skiff       | 31,917 | Kenneth B. Lefler      | 36,075 |
| George A. Hovanec, Jr.    | 28,223 | Richard J. McGrath   | 29,195 | Fred W. Hathaway       | 32,236 |
| James A. LaBarre          | 28,632 | Matthew L. Schneider | 32,814 |                        |        |
| E. Joseph Gess            | 28,510 | Michael G. Savage    | 32,596 |                        |        |



**21839**

and: Mercedes K. Meyer, Registration No. 44,939

Address all correspondence to:



Teresa Stanek Rea  
BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

**21839**

Address all telephone calls to: Teresa Stanek Rea at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|   |  |                                     |
|---|--|-------------------------------------|
| <b>COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (CONT'D)</b><br>(Includes Reference to Provisional and PCT International Applications) |  | Attorney's Docket No.<br>032796-013 |
|---|--|-------------------------------------|

|  |  |             |      |
|--|--|-------------|------|
| FULL NAME OF SOLE OR FIRST INVENTOR        |  | SIGNATURE   | DATE |
| John P. CARULLI                            |  |             |      |
| RESIDENCE                                  |  | CITIZENSHIP |      |
| 9 Harris Drive, Southboro, MA 01772        |  | USA         |      |
| POST OFFICE ADDRESS                        |  |             |      |
| 9 Harris Drive, Southboro, MA 01772        |  |             |      |
| FULL NAME OF SECOND JOINT INVENTOR, IF ANY |  | SIGNATURE   | DATE |
| Randall D. LITTLE                          |  |             |      |
| RESIDENCE                                  |  | CITIZENSHIP |      |
| 62A Marshall Street, Needham, MA 02192     |  | USA         |      |
| POST OFFICE ADDRESS                        |  |             |      |
| 62A Marshall Street, Needham, MA 02192     |  |             |      |
| FULL NAME OF THIRD JOINT INVENTOR, IF ANY  |  | SIGNATURE   | DATE |
| Robert R. RECKER                           |  |             |      |
| RESIDENCE                                  |  | CITIZENSHIP |      |
| 3309 South 116th Street, Omaha, NE 68144   |  | USA         |      |
| POST OFFICE ADDRESS                        |  |             |      |
| 3309 South 116th Street, Omaha, NE 68144   |  |             |      |
| FULL NAME OF FOURTH JOINT INVENTOR, IF ANY |  | SIGNATURE   | DATE |
| Mark L. JOHNSON                            |  |             |      |
| RESIDENCE                                  |  | CITIZENSHIP |      |
| 16216 N. Circle, Omaha, NE 68135           |  | USA         |      |
| POST OFFICE ADDRESS                        |  |             |      |
| 16216 N. Circle, Omaha, NE 68135           |  |             |      |

jc525 U.S. PTO  
09/543771  
04/05/00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
John P. CARULLI et al. )      **BOX SEQUENCE**  
Application No. (Unassigned) )  
Filed: April 5, 2000      )      Group Art Unit: Unassigned  
For: HIGH BONE MASS GENE OF )  
11q13.3      )      Examiner: Unassigned

**DECLARATION PURSUANT TO 37 C.F.R. §§1.821-1.825**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, Mercedes K. Meyer, declare as follows:

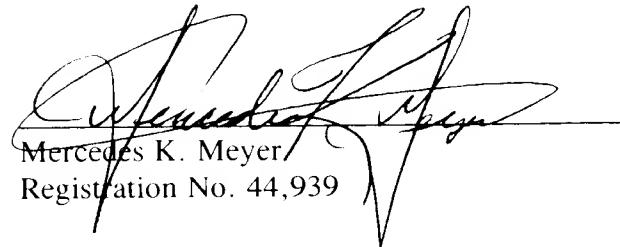
1. That the content of the substitute paper and substitute computer readable copies of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same in compliance with 37 C.F.R. § 1.821(f).

I hereby declare that all statements made herein of my own knowledge are true and that all statements were made on information and belief and are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Declaration Pursuant to 37 C.F.R. §§1.821-1.825  
Attorney's Docket No. 032796-014  
Page 2

Date

4/5/2000

  
Mercedes K. Meyer  
Registration No. 44,939